



## Saltend Jetty

VolkerLaser has undertaken six phases of works to the Saltend Jetty, in Hull, for client, Associated British Ports (ABP).

Since 2013, VolkerLaser has worked for ABP, providing repair and strengthening services to maintain the jetties which are used by large vessels to unload sensitive chemicals. The collaborative relationship, and the team's intricate knowledge of the structures, are key to ensuring the success of the projects.



To safely carry out concrete repairs beneath the jetties, a secure working area was needed, factoring in high tides, port traffic, and environmental concerns. During the Early Contractor Involvement (ECI) period, VolkerLaser proposed the V-Deck™ under-deck access system.

Unlike traditional scaffolding, V-Deck™ allowed submersion at high tide while withstanding wave impact. It also enabled work to continue with rope access during rising and falling tides, whereas scaffolding only permitted work at low tide.

With faster installation and reduced safety boat requirements, the team installed 150m<sup>2</sup> of V-Deck™ on jetty one and 200m<sup>2</sup> on jetty three, with encapsulation options based on the works. Given the Humber Estuary's Site of Special Scientific Interest (SSSI) status, strict dust, waste, and pollution controls were enforced throughout.

For the duration of the project, collaboration with the ABP jetty master was key, with daily co-ordination of works being essential to the planning, as the availability of the works area would change depending on the shipping schedule and chemical unloading requirements. There were also monthly jetty outages for planned maintenance, which the team needed to accommodate, as well as specific traffic routes to manage for material deliveries and plant.

The use of V-Deck™ provided significant value engineering for the client, and a number of efficiencies on site, meaning the project was completed more than a week ahead of programme, and proved the system is the ideal solution for jetty works, even in the most complex of environments V-Deck™ was a much more versatile and cost-effective solution.

